

IN THE SPECIFICATION:

The amendments to the specification are as follows:

On page 1, prior to the paragraph beginning "The present invention" insert:
--FIELD OF INVENTION--.

On page 1, prior to the paragraph beginning "A conventional computer" insert:
--BACKGROUND ART--.

On page 1, prior to the paragraph beginning "According to the" insert:
--SUMMARY OF THE INVENTION--.

On page 2, replace the paragraph beginning with "A CAM embodying" with:

B1 A CAM embodying the invention will now be described, by way of example, with reference to the drawings.

On page 2, prior to the paragraph beginning "Fig. 1" insert:
--BRIEF DESCRIPTION OF THE DRAWING--.

On page 2, prior to the paragraph beginning "Referring to Fig. 1" insert:
--DETAILED DESCRIPTION OF THE DRAWING--.

Replace the paragraph bridging pages 6 and 7 with the following:

B2 It is not possible to access a cell by its position in the chain. However, this
does not mean that a cell can become inaccessible. If a cell is to be effectively cleared,
a standard byte address can be chosen for all data blocks, and filled with one data
value if the data block in that cell is valid and another data value if the data block in the
cell is cleared, is invalid. A search for cells with the second data value in that location

B2 will then retrieve all empty data blocks in sequence. If all else fails, a search with no search fields will select all cells, which can then be written into sequentially. (That is, the Search phase is entered to set all Match flip-flops to Hit, and the Access phase is then entered immediately.)
